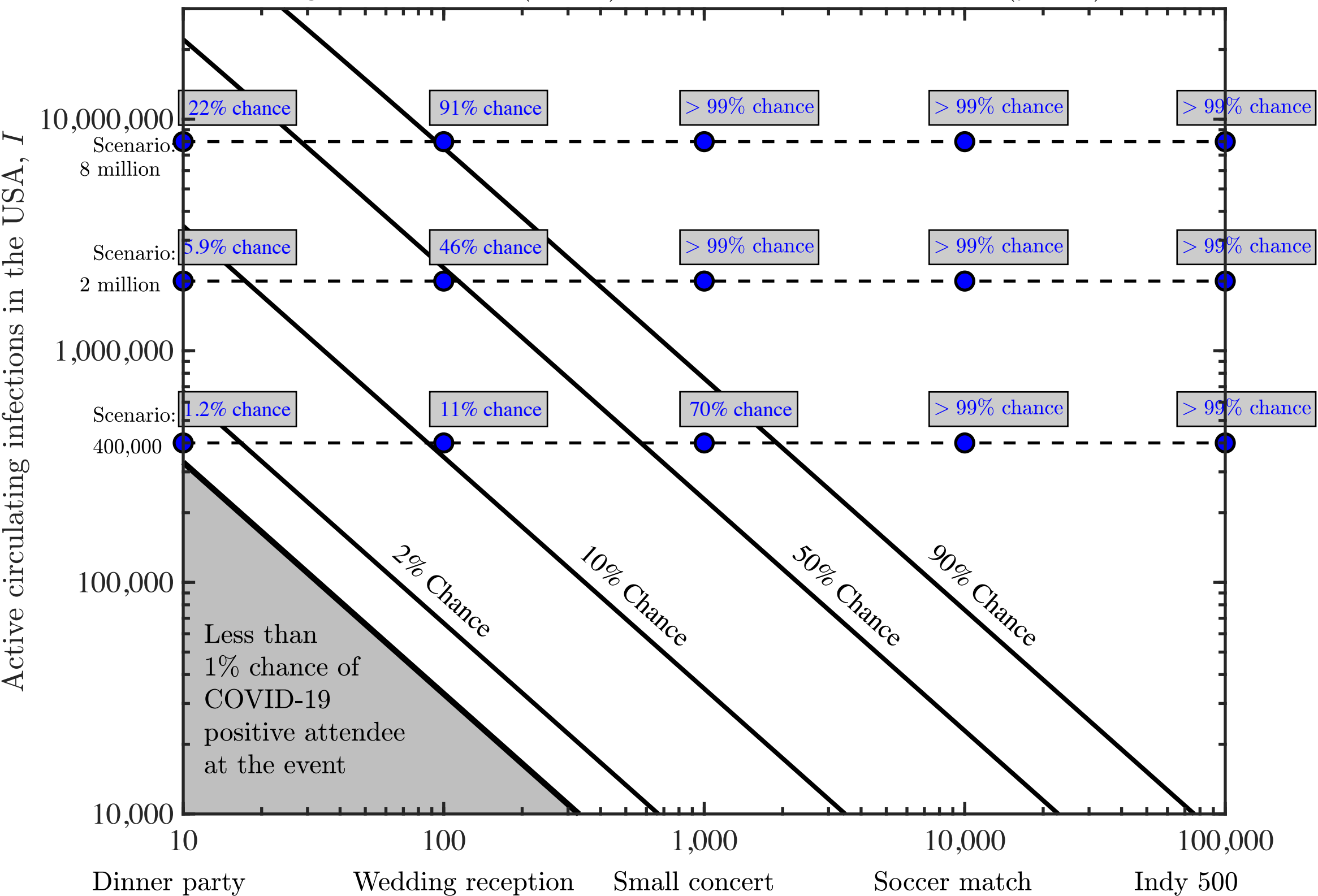


# COVID-19 Event Risk Assessment Planner - Updated April 18, 2020

Estimates chance that one or more individuals are COVID-19 positive at an event given event size (x-axis) and current case prevalence (y-axis)



Calculation note - J.S.Weitz - jsweitz@gatech.edu - 4/18/20 - Risk is  $\epsilon \approx 1 - (1 - p_I)^n$  where  $p_I = I / (330 \times 10^6)$  and  $n$  is event size

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Assumes incidence homogeneity, uses last 2 weeks cumulative as baseline with 5x and 20x undercounts for alternative scenarios

Code <https://github.com/jsweitz/covid-19-event-risk-planner>